	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING										AMENDED	FORM	13	
	APPLICATION FOR PERMIT TO DRILL									1. WELL NAME and NUMBER Three Rivers Fed 35-24-720				
2. TYPE (OF WORK	DRILL NEW V	VELL REE	NTER PA	SA WELL DEEPEN	N WELL	<u> </u>			3. FIELD OR WILDCA				
4. TYPE C	OF WELL	DRIEL IVE VV				VVLLL _				5. UNIT or COMMUNI			IT NAME	
6. NAME	OF OPERATO	PR	Oil Well		ed Methane Well: NO					7. OPERATOR PHONE				
8. ADDRE	SS OF OPER	ATOR	ULT	RA RESC	DURCES INC					9. OPERATOR E-MAII	303 645-9	309		
10. MINE	RAL LEASE N		iverness Drive Ea	st, Suite	#400, Englewood, CO,					kbot	t@ultrapetro	leum.com	1	
	L, INDIAN, OF				-	DIAN \Bigg) STATE	FEE		-	400	STATE 🧧) FEE	
13. NAME	OF SURFAC	E OWNER (if bo	x 12 = 'fee')		-					14. SURFACE OWNER	R PHONE (if I	oox 12 = '	fee')	
15. ADDR	RESS OF SUR	FACE OWNER (i	f box 12 = 'fee')							16. SURFACE OWNE	R E-MAIL (if	box 12 =	'fee')	
		OR TRIBE NAM	E		18. INTEND TO COMM		PRODUCTION	FROM		19. SLANT				
(if box 1	2 = 'INDIAN')				I		gling Application	on) NO	®	VERTICAL DIF	RECTIONAL () ноғ	RIZONTA	L 🔵
20. LOC	ATION OF WE	ELL		F	OOTAGES	QT	TR-QTR	SEC	CTION	TOWNSHIP	RANG	E	MER	RIDIAN
LOCATION	ON AT SURFA	CE		619 F	SL 2394 FEL		SWSE	3	35	7.0 S	20.0 [=		S
Top of l	Jppermost Pi	oducing Zone		660 F	SL 1980 FWL		SESW	3	35	7.0 S	20.0 [S	
At Total	l Depth			660 F	SL 1980 FWL		SESW 35		7.0 S	20.0 I			S	
21. COU	NTY	UINTAH			22. DISTANCE TO NEA		EASE LINE (Fe	eet)		23. NUMBER OF ACR	ES IN DRILLI 40	NG UNIT		
					25. DISTANCE TO NEA (Applied For Drilling	or Comp		POOL		26. PROPOSED DEPT		'D: 7150		
27. ELEV	ATION - GRO	UND LEVEL			28. BOND NUMBER					29. SOURCE OF DRIL WATER RIGHTS APPR			LICABLE	
		4810					000593				43-1098			
Carina	Uala Cina	Casina Sina	Langth	Maia	Hole, Casing	•			1	Comont		Caalca	Viald	Walaht
String	20	Casing Size	Length 0 - 100	Weig			Max Mud	Wt.		Cement Sacks Yield Unknown 0 0.0				Weight 0.0
SURF	11	8.625	0 - 1000	24.	-		8.8	_	Class G			550	1.16	15.8
PROD	7.875	5.5	0 - 5274	17.	.0 J-55 LT&0	С	10.0		Hallibu	rton Light , Type U	nknown	225	3.54	11.0
			5274 - 7274	17.	.0 N-80 LT&	kC	10.0		Halliburt	on Premium , Type	Unknown	450	1.35	14.0
					А	ATTACH	HMENTS							
	V	ERIFY THE FO	LLOWING ARE	ATTA	CHED IN ACCORDAN	NCE WI	TH THE UTA	H OIL A	AND GAS	CONSERVATION G	ENERAL R	ULES		
✓ v	VELL PLAT OF	MAP PREPAREI	D BY LICENSED S	URVEYO	DR OR ENGINEER		СОМІ	PLETE DE	RILLING PI	_AN				
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						FORM	5. IF OPI	ERATOR IS	S OTHER THAN THE LI	EASE OWNER	₹			
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						торо	GRAPHIC	CAL MAP						
NAME Jasmine Allison TITLE Sr. Permitting Analyst						alyst			PHONE	307 367-5041				
SIGNATURE DATE 08/01/2016								EMAIL	jallison@ultrapetroleu	m.com				
API NUMBER ASSIGNED APPROVAL 43047555540000								bol	ogill					
							Permit Manager							

ULTRA RESOURCES, INC.

8 - POINT DRILLING PROGRAM

Slim Hole Design 8 5/8" Surface & 5 ½" Production Casing Design

DATED: 11-03-14

Three Rivers Fed 35-24-720

SHL: Sec 35 (SWSE) T7S R20E

Uintah, Utah

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations and the approved Application for Permit to Drill (APD). The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

Three Rivers Fed 35-24-720 Page 2 of 5

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation Top	Top (TVD)	Comments
Uinta	Surface	
BMSW	2,482' MD / 2,450' TVD	
Green River	3,121' MD / 3,061' TVD	
Mahogany	4,495' MD / 4,376' TVD	
Garden Gulch	5,160' MD / 5,036' TVD	Oil & Associated Gas
Lower Green River*	5,315' MD / 5,191' TVD	Oil & Associated Gas
Wasatch	7,055' MD / 6,931' TVD	Oil & Associated Gas
TD	7,274' MD / 7,150' TVD	

Asterisks (*) denotes target pay intervals

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished to the appropriate agencies. Oil and gas shows will be adequately tested for commercial possibilities, reported and protected by casing and cement.

2. BOP Equipment

- **A)** The BOPE shall be closed whenever the well is unattended. The appropriate agencies will be notified 24 hours prior to all BOPE pressure tests.
- **B**) The BOPE shall be closed whenever the well is unattended.
- C) All BOPE connections subjected to well pressure will be flanged, welded, or clamped.

D) Choke Manifold

- 1) Tee blocks or targeted 'T's will be used and anchored to prevent slip and reduce vibration.
- 2) Two adjustable chokes will be used in the choke manifold.
- 3) All valves (except chokes) in kill line choke manifold and choke line will not restrict the flow.
- 4) Pressure gauges in the well control system will be designed for drilling fluid.

E) BOPE Testing:

- 1) BOPE shall be pressure tested when initially installed, whenever any seal subject to pressure testing is broken, or after repairs.
- 2) All BOP tests will be performed with a test plug in place.
- 3) BOP will be tested to full stack working pressure and annular preventer to 50% stack working pressure.

<u>INTERVAL</u> 0 - 1,000' MD / 1,000' TVD 1,000' MD / 1,000' TVD - 7,274' MD / 7,150' TVD BOP EQUIPMENT
11" Diverter with Rotating Head

3,000# Ram Double BOP & Annular with Diverter & Rotating Head

NOTE: Drilling spool to accommodate choke and kill lines.

3. Casing and Float Equipment Program

CASING:

Directional Well	Hole Size	OD	Depth MD/TVD	Wt.	Grade & Connection	Cond.
Conductor	20"	16"	+/- 100' MD / 100' TVD	109.0 ppf	C-75	New
Surface	11"	8 5/8"	1,000' MD / 1,000' TVD	24.0 ppf	J-55, LTC	New
Production (Top)	7 7/8"	5 ½"	5,274' MD / 5,150' TVD	17.0 ppf	J-55, LTC	New
Production (Bottom)	7 7/8'	5 ½'	7,274'MD / 7,150' TVD	17.0 ppf	N/L-80, LTC	New

Three Rivers Fed 35-24-720 Page 3 of 5

CASING SPECIFICATIONS:

Directional Well	Casing OD	Casing ID / Drift ID	Collapse (psi)	Int. Yield (psi)	Ten. Yield (lb)	Jt. Strength (lb)
Surface	8 5/8"	8.097" / 7.972"	1,370	2,950	381,000	244,000
Production (Top)	5 ½"	4.892" / 4.767"	4,910	5,320'	273,000	229,000
Production (Bottom)	5 ½"	4.892"/ 4.767"	6,280	7,740	397,000	348,000

FLOAT EQUIPMENT:

SURFACE (8 5/8") Float Shoe, 1 joint casing, float collar

Centralizers: 1 each 1st 4 Joints then every 4th joint to surface

PRODUCTION (5 ½") Float Shoe, 1 joint casing, float collar

Centralizers: 1 each 1st 4 Joints then every 3rd joint to 500' into surface casing

4. <u>Cementing Programs</u>

CONDUCTOR (13 %") Ready Mix – Cement to surface

SURFACE (8 5/8") Cement Top - Surface

Surface – 1,000' MD / 1,000' TVD± 550 sks Glass G Cement w/ additives, 15.8 ppg, 1.16 cf/sx, 50% excess

Note: The above volumes are based on a gauge-hole + 50% excess.

PRODUCTION (5 ½") Cement Top – 500'

500' - 4,000' TVD ± Lead: 225 sks – Econocem Cement w/ 0.25 lbm Poly-E-Flake, 1%

Granulite TR ¼, 5 lbm Kol-Seal; 11.0 ppg; 3.54 cf/sx; 15% excess

4,000' - 7,274' MD / 7,150' TVD Tail: 450 sks, Expandacem Cement w/ 0.25 lbm Poly-E-Flake, 1 lbm

Granulite TR ¼, 2 lbm Kol-Seal; 14.0 pp; 1.349 cf/sk; 15% excess

Note: Lead Cement will be brought to 4,000' which will give a minimum of 500' above Lower Green River.

- A) For Surface casing, if cement falls or does not circulate to surface, cement will be topped off.
- **B**) Cement will not be placed down annulus with a 1" pipe unless BLM is contacted.
- C) The appropriate agencies will be notified 24 hours prior to running casing and cementing.
- **D**) All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe (minimum of 8 hours) prior to drilling out.
- E) Prior to drilling out cement, casing will be pressure tested to 1500 psi. Pressure decline must not be greater than 10% (150 psi) in 30 minutes.
- **F**) "Sundry Notices and Reports on Wells", shall be filed with the appropriate agencies within 30 days after the work in completed.
- G) Setting of each string of casing, size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
- **H)** Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- I) A pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed after drilling 5-10 feet of new hole.

Three Rivers Fed 35-24-720

Page 4 of 5

5. Mud Program

The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Viscosity	Fluid Loss	pН	Mud Wt. (ppg)
0 – 1,000' MD / 1,000' TVD	Water/Spud Mud	32	No Control (NC)	7.0 -8.2	<8.8
1,000' MD / 1,000' TVD - 7,274' MD / 7,150' TVD	DAP System	40 - 60	10 - 18	7.0-8.2	<10.0

- A) Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.
- **B**) The mud monitoring equipment on location will be installed by top of Green River and will be able to monitor at a minimum the pit volume totalizer (PVT), stroke counter, and flow sensor
- C) Flare line discharge will be located no less than 100 feet from the wellhead using straight or targeted 'T' and anchors.

6. Evaluation Program - Testing, Logging, and Coring

- **A)** Cores: None anticipated.
- **B)** Testing: None anticipated.
- **C)** Directional Drilling: Directional tools will be used to locate the bottom hole per the attached directional plan +/-.
- **D)** Open Hole Logs: TD to surface casing: resistivity, neutron density, gamma ray and caliper.
- **E**) Mud Logs: None anticipated.
- **F)** Formation to TD; record and monitor gas shows and record drill times (normal mud logging duties).

7. Anticipated Pressures and H.S.

- A) The expected bottom hole pressure is 3,500 3,650 psig. Normal pressures are anticipated from surface to approximately TD. These pressures will be controlled by a blowout preventer stack, annular BOP, choke manifold, mud/gas separator, surface equipment and drilling mud. A supply of barite to weight the mud to a balancing specific gravity, if necessary, will be on location.
- **B)** Maximum expected surface pressure will be based on the frac gradient of the casing shoe. The design of the casing assumes that the MASP will be the fracture pressure at the shoe less a column of gas.
- C) No hydrogen sulfide gas is anticipated, however if H₂S is encountered, published guidelines will be complied with.

8. Other Information and Notification Requirements

- **A**) There shall be no deviation from the proposed drilling plan as approved. Any changes in operation must have prior approval from the appropriate agency.
 - 1) Anticipated starting date will be upon approval. It is anticipated that completion operations will begin within 15 days after the well has been drilled.
 - 2) It is anticipated that the drilling and completion of this well will take approximately 90 days.
- **B)** Agency required notifications will be followed as outline in the approved APD.
- C) Should the well be successfully completed for production, the appropriate agencies must be notified when it is placed in a producing status. The notification shall provide, as a minimum, the following information items:

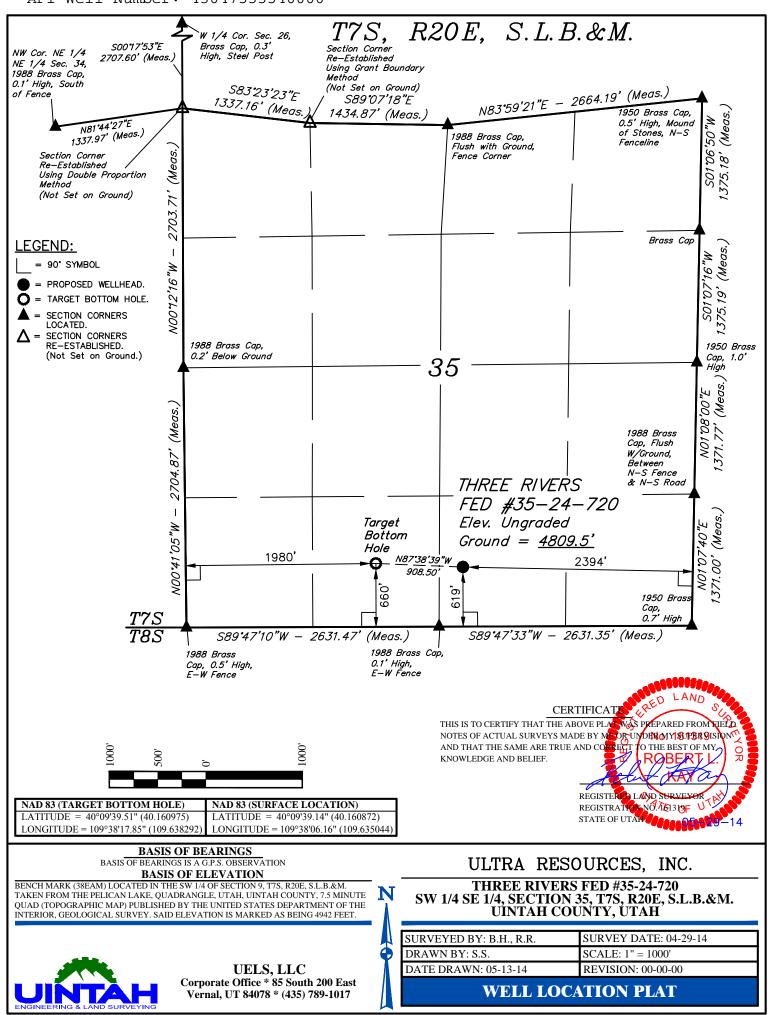
Three Rivers Fed 35-24-720

• Operator name, address, and telephone number.

- . Well name and number.
- . Well location (1/4 1/4, Section, Township, Range and Meridian)
- Date well was placed in a producing status (date of first production for which royalty will be paid).
- The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
- The lease prefix and number on which the well is located. As appropriate, the unit agreement name, number and participating area name. As appropriate, the communitization agreement number.

RECEIVED: August 01, 2016

Page **5** of **5**



PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 9.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN AN SOUTHEASTERLY DIRECTION APPROXIMATELY 108' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 27.0 MILES.

ULTRA RESOURCES, INC.

THREE RIVERS FED #35-24-720, #35-34A-720 #35-28T-720 & #35-38T-720 SECTION 35, T7S, R20E, S.L.B.&M. SW 1/4 SE 1/4

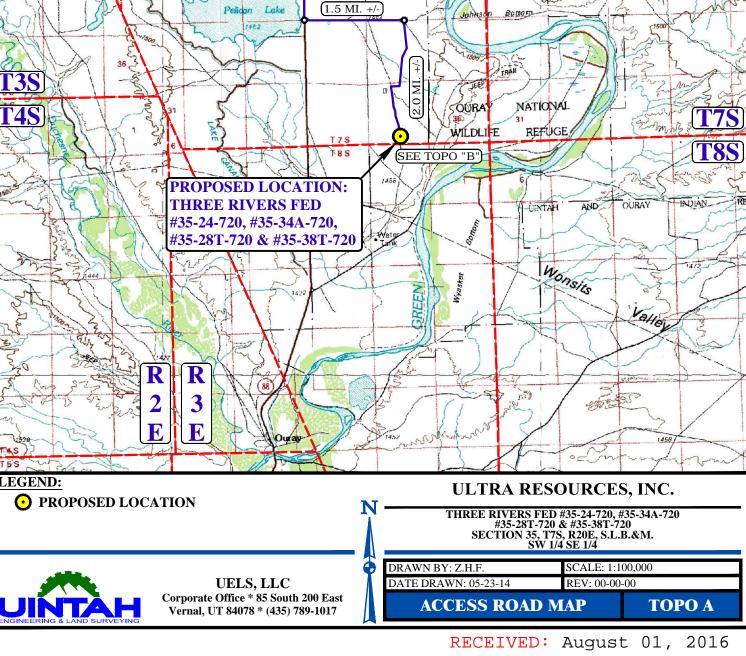


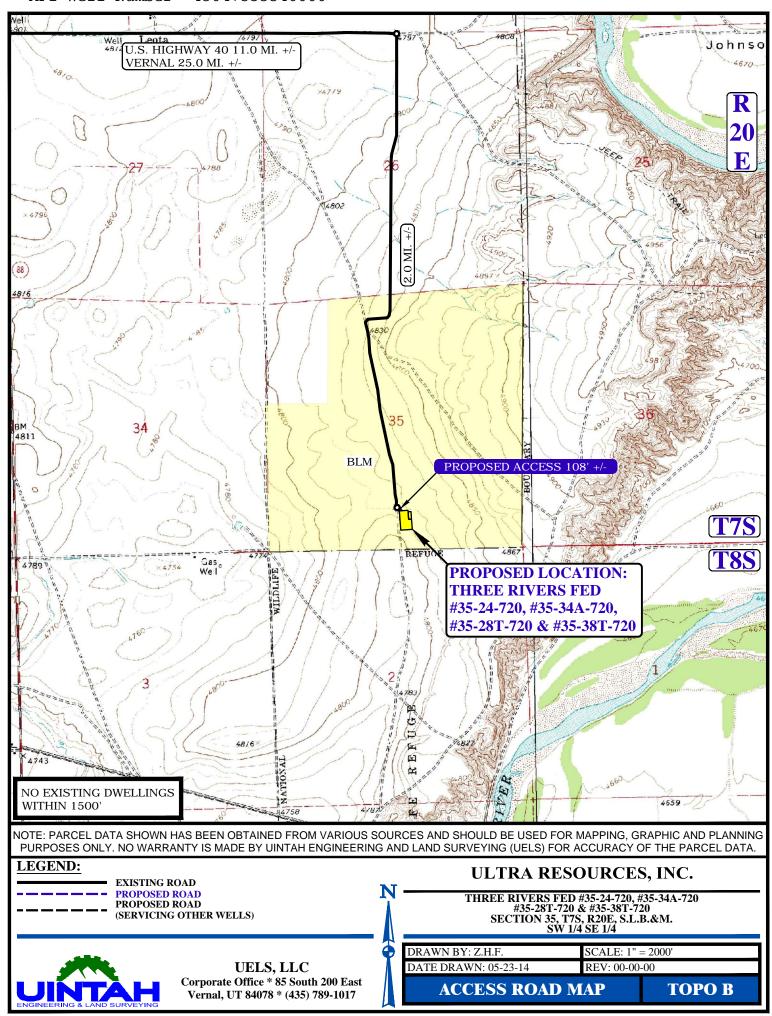
UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017 DRAWN BY: Z.H.F.

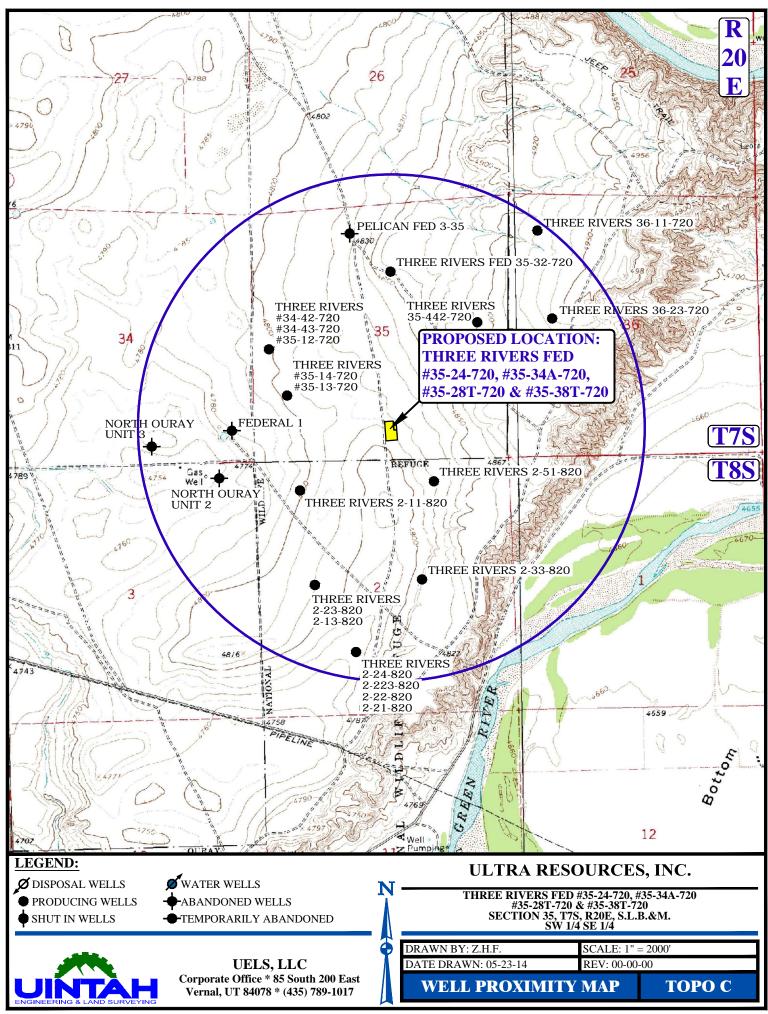
DATE DRAWN: 05-23-14

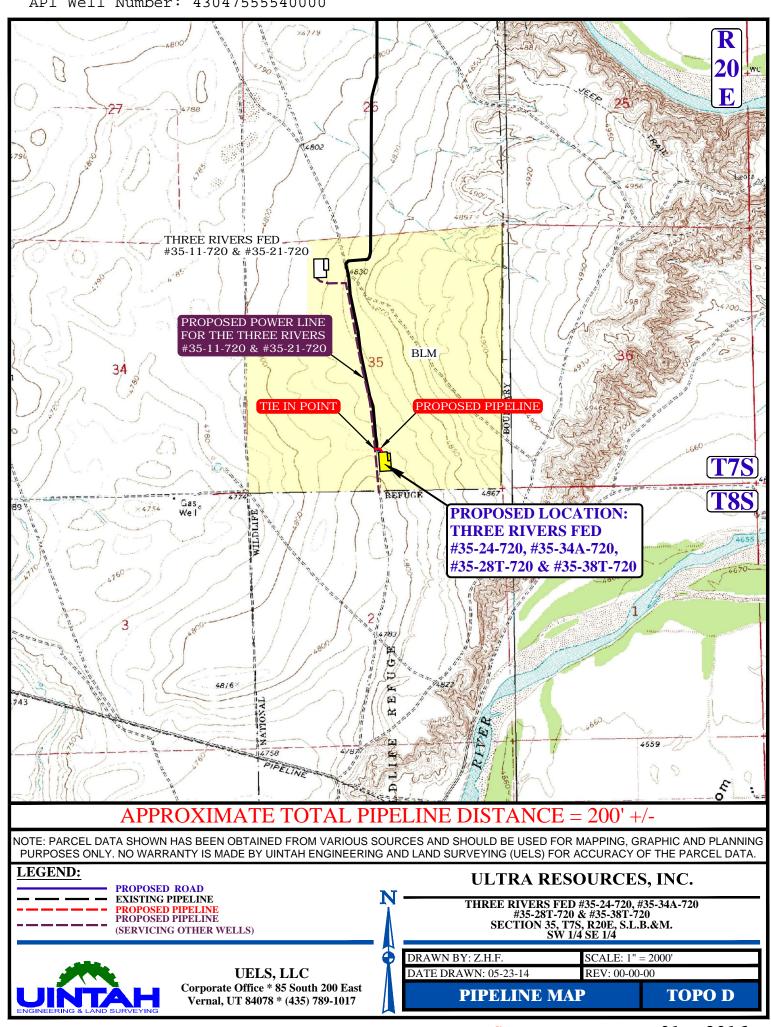
REV: 00-00-00

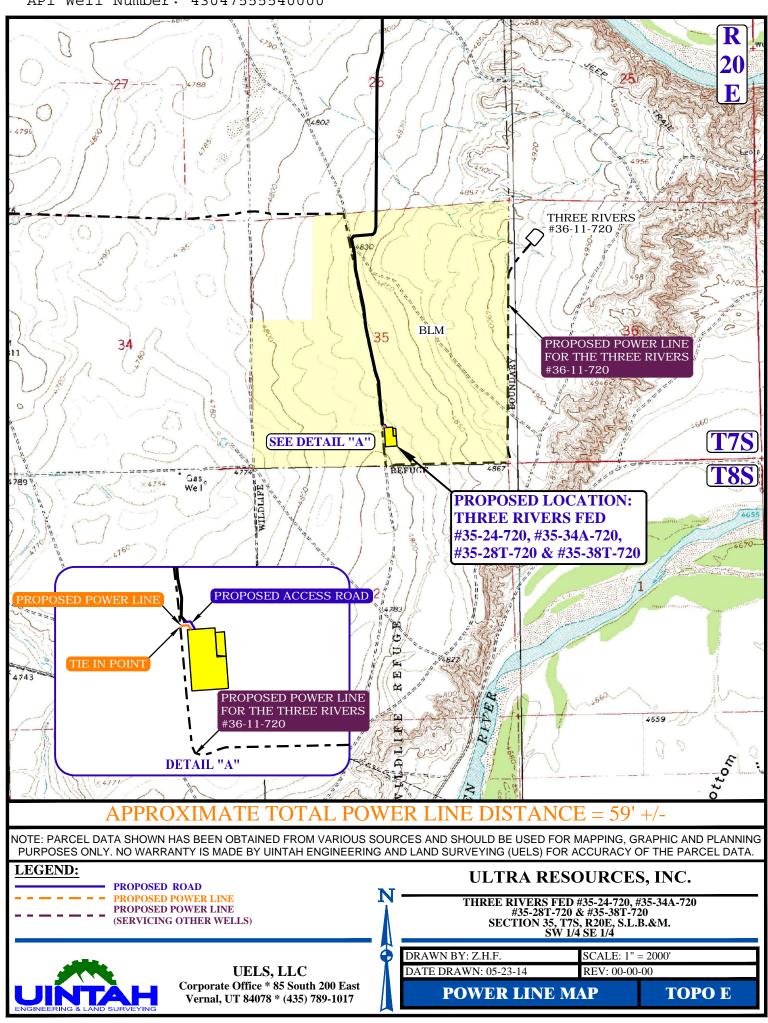
ROAD DESCRIPTION

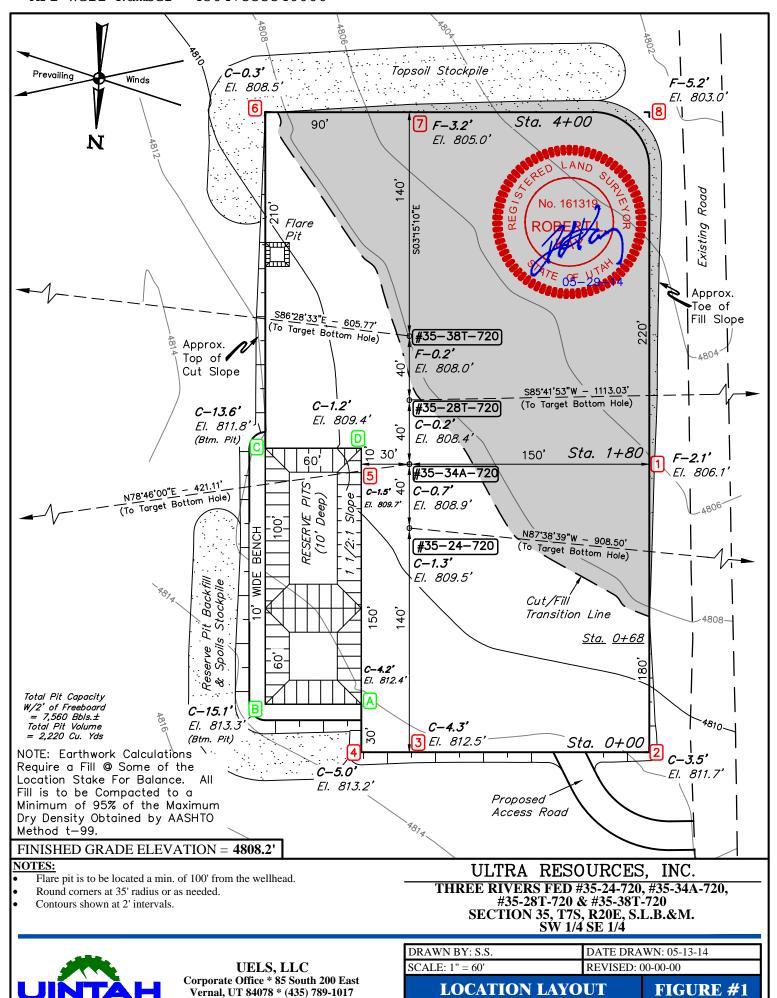


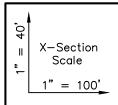


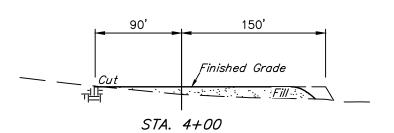


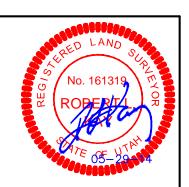


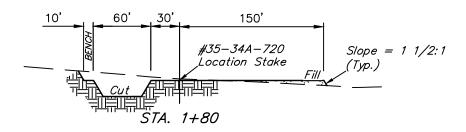


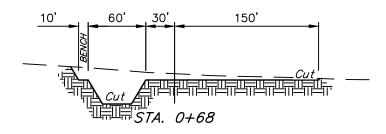


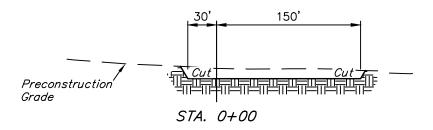












APPROXIMATE EARTHV	VORK QUANTITIES
(6") TOPSOIL STRIPPING	1,910 Cu. Yds.
REMAINING LOCATION	5,750 Cu. Yds.
TOTAL CUT	7,660 Cu. Yds.
FILL	4,640 Cu. Yds.
EXCESS MATERIAL	3,020 Cu. Yds.
TOPSOIL & PIT BACKFILL (1/2 Pit Vol.)	3,020 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS							
	DISTANCE	ACRES					
WELL SITE DISTURBANCE	NA	±2.771					
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±108.07'	±0.074					
30' WIDE PIPELINE R-O-W DISTURBANCE	±199.90'	±0.138					
TOTAL SURFACE USE AREA	±307.97'	±2.983					

NOTES:

- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.

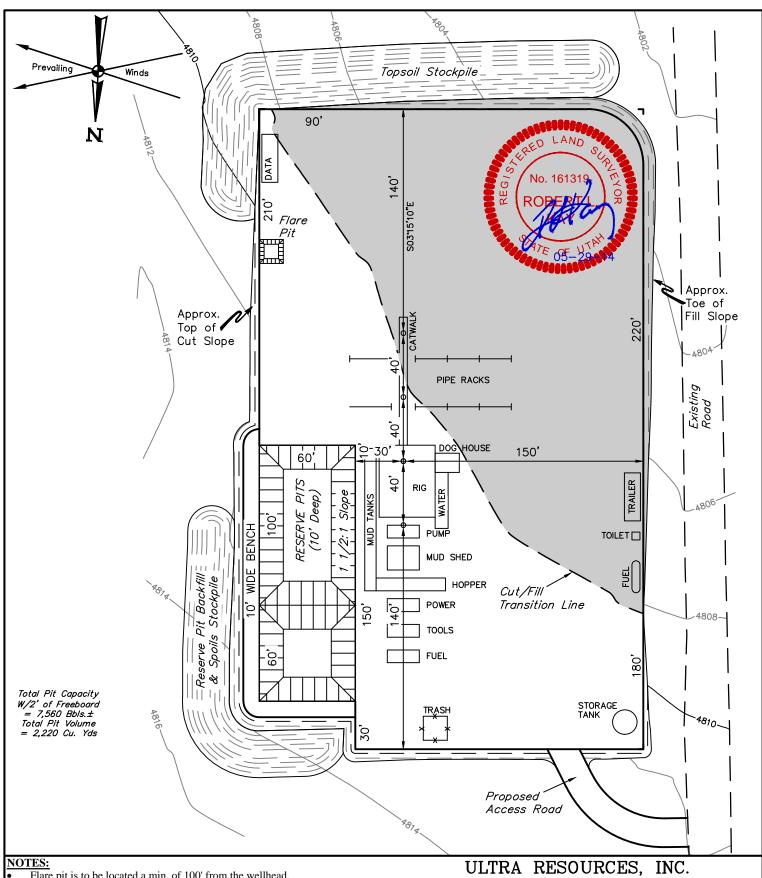
ULTRA RESOURCES, INC.

THREE RIVERS FED #35-24-720, #35-34A-720, #35-28T-720 & #35-38T-720 SECTION 35, T7S, R20E, S.L.B.&M. SW 1/4 SE 1/4



UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

TVDICAL CDOSS SECTIONS FIGURE #					
SCALE: AS SHOWN	REVISED: 00-00-00				
DRAWN BY: S.S.	DATE DRAWN: 05-13-14				



Flare pit is to be located a min. of 100' from the wellhead.

Contours shown at 2' intervals.

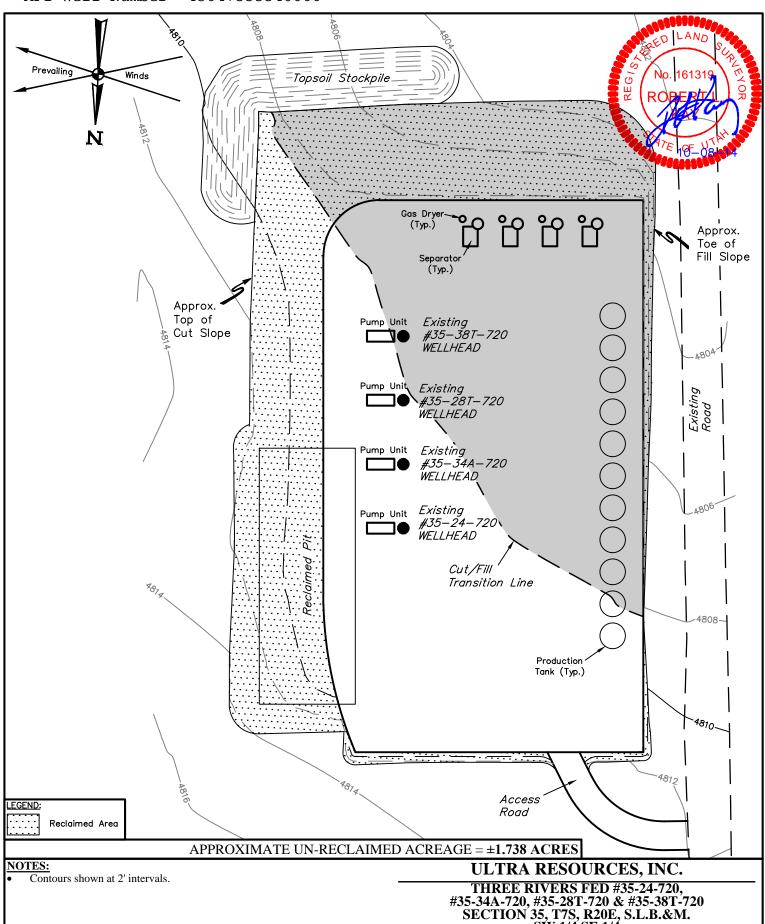
THREE RIVERS FED #35-24-720, #35-34A-720, #35-28T-720 & #35-38T-720 SECTION 35, T7S, R20E, S.L.B.&M. SW 1/4 SE 1/4





UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

DRAWN BY: S.S. DATE DRAWN: 05-13-14 REVISED: 00-00-00 TYPICAL RIG LAYOUT FIGURE #3

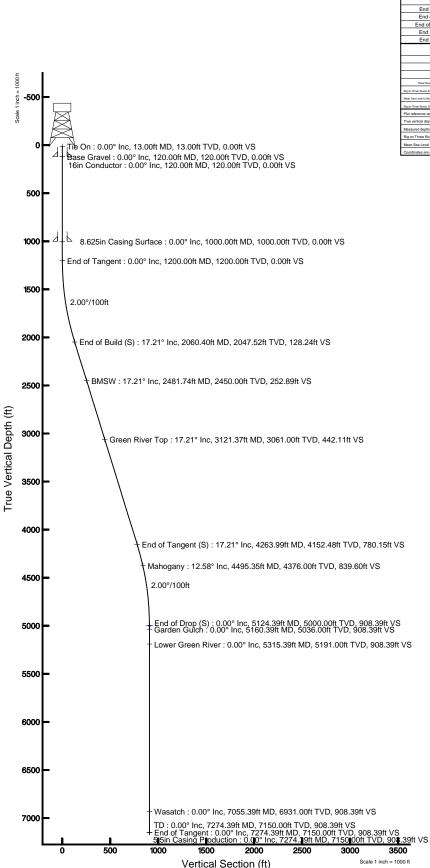


#35-34A-720, #35-28T-720 & #35-38T-720 SECTION 35, T7S, R20E, S.L.B.&M. SW 1/4 SE 1/4

UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017

DRAWN BY: H.W.	DATE DRA	WN: 10-03-14	
SCALE: 1" = 60'	REVISED: 00-00-00		
PRODUCTION FACILITY	LAYOUT	FIGURE #4	





Azimuth 272.36° with reference 0.00 N, 0.00 E

ULTRA RESOURCES, INC

Field: UINTAH COUNTY Well: Three Rivers Fed 35-24-720

Facility: Sec.35-T7S-R20E Wellbore: Three Rivers Fed 35-24-720 PWE

Name				TVD (%)	Local N (ft)	Local E (t)	Grid East	t (US ft)	Grid North (US 1)	Latitude		Longitude
Three Rivers Fed 35-24-720 Target On Plat 650' FSL	& 1980' FWL		5124.39	5000.00	37.46	-907.61	21606	89.82	7232774.81	40°09'39.510'N	109	"38"17.850"W
	Well Profile Data											
Design Comment	MD (ft)	Inc (°)	Az (°)	T\	/D (ft)	Local N	l (ft)	Loc	al E (ft)	DLS (°/100ft)	П	VS (ft)
Tie On	13.00	0.000	272.363	1	3.00	0.00	0.00		0.00	0.00		0.00
End of Tangent	1200.00	0.000	272.363	12	00.00	0.00	0		0.00	0.00		0.00
End of Build (S)	2060.40	17.208	272.363	20	47.52	5.29	,	-1	28.13	2.00		128.24
End of Tangent (S)	4263.99	17.208	272.363	41	52.48	32.17		-7	79.49	0.00		780.15
End of Drop (S)	5124.39	0.000	272.363	50	00.00	37.4	6	-6	07.61	2.00		908.39
End of Tangent	7274.39	0.000	272.363	71	50.00	37.4	6	-6	07.61	0.00		908.39
	Location Information											

Location Information								
Faci	lity Name	Grid East (US t)	Grid North (US tt)	Latitude	Longitude			
Sec.35	2159365.265	7233403.094	40°09'45.990'N	109°38'34.740'W				
Slot	Siot Local N (ti) Local E (ti)		Grid East (US t)	Grid North (US tt)	Latitude	Longitude		
Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL)	493.00	2218.96	2161597.940	7232756.288	40°09'39.140'N	109°38'06.160'W		
Rig on Three Rivers Fed 35-24-720 (519' FSL & 2394' FEL) (RT) to Mud line (4922.5h							

Rig on Three Rivers Fed 25-24-720 (519' FSL & 2394' FEL) (RT) to Mean Sea Level

Plot reference wellpath is Three Rivers Fed 35-24-720 PWP	
True vertical depths are referenced to Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT)	Grid System: NAD83 / Lambert Utah SP, Central Zone (4302), US feet
Measured depths are referenced to Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT)	North Reference: True north
Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT) to Mean Sea Level: 4822.5 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ewilliams on 10/27/2014

Page 1 of 5

API Well Number: 43047555540000





Planned Wellpath Report
Three Rivers Fed 35-24-720 PWP
Page 1 of 5

REFERENC	E WELLPATH IDENTIFICATION		
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL)
Area	Three Rivers	Well	Three Rivers Fed 35-24-720
Field	UINTAH COUNTY	Wellbore	Three Rivers Fed 35-24-720 PWB
Facility	Sec.35-T7S-R20E		

REPORT SETUP INFORMATION									
Projection System	NAD83 / Lambert Utah SP, Central Zone (4302), US feet	Software System	WellArchitect® 3.0.0						
North Reference	True	User	Ewilliams						
Scale	0.999915	Report Generated	10/27/2014 at 4:12:44 PM						
Convergence at slot	1.19° East	Database/Source file	WellArchitectDB/Three_Rivers_Fed_35-24-720_PWB.xml						

Local coor	dinates	oordinates	Geographic coordinates		
North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
-693.08	2218.96	2161597.94	7232756.29	40°09'39.140"N	109°38'06.160"W
		2159365.27	7233403.09	40°09'45.990"N	109°38'34.740"W
		2156630.96	7236613.42	40°10'18.270"N	109°39'09.100"W
	North[ft]		North[ft] East[ft] Easting[US ft] -693.08 2218.96 2161597.94 2159365.27	North[ft] East[ft] Easting[US ft] Northing[US ft] -693.08 2218.96 2161597.94 7232756.29 2159365.27 7233403.09	North[ft] East[ft] Easting[US ft] Northing[US ft] Latitude -693.08 2218.96 2161597.94 7232756.29 40°09'39.140"N 2159365.27 7233403.09 40°09'45.990"N

WELLPATH DATU	M	
Calculation method	Minimum curvature	Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT) to Facility Vertical Datum
Horizontal Reference Pt	Slot	Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT) to Mean Sea Level
Vertical Reference Pt	Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT)	Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT) to Mud Line at Slot (Three Rivers Fed 35-24-720 (619' FSL & 2394'
MD Reference Pt	Rig on Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL) (RT)	Section Origin
Field Vertical Reference	Mean Sea Level	Section Azimuth



Planned Wellpath Report
Three Rivers Fed 35-24-720 PWP
Page 2 of 5



REFERENC	REFERENCE WELLPATH IDENTIFICATION							
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL)					
Area	Three Rivers	Well	Three Rivers Fed 35-24-720					
Field	UINTAH COUNTY	Wellbore	Three Rivers Fed 35-24-720 PWB					
Facility	Sec.35-T7S-R20E							

	ATA (86 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments	
0.00†	0.000	272.363	0.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
13.00	0.000	272.363	13.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
113.00†	0.000	272.363	113.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
120.00†	0.000	272.363	120.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00	Base Gravel	
213.00†	0.000	272.363	213.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
313.00†	0.000	272.363	313.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
413.00†	0.000	272.363	413.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
513.00†	0.000	272.363	513.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
613.00†	0.000	272.363	613.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
713.00†	0.000	272.363	713.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
813.00†	0.000	272.363	813.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
913.00†	0.000	272.363	913.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
1013.00†	0.000	272.363	1013.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
1113.00†	0.000	272.363	1113.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
1200.00	0.000	272.363	1200.00	0.00	0.00	0.00	40°09'39.140"N	109°38'06.160"W	0.00		
1213.00†	0.260	272.363	1213.00	0.03	0.00	-0.03	40°09'39.140"N	109°38'06.160"W	2.00		
1313.00†	2.260	272.363	1312.97	2.23	0.09	-2.23	40°09'39.141"N	109°38'06.189"W	2.00		
1413.00†	4.260	272.363	1412.80	7.91	0.33	-7.91	40°09'39.143"N	109°38'06.262"W	2.00		
1513.00†	6.260	272.363	1512.38	17.08	0.70	-17.07	40°09'39.147"N	109°38'06.380"W	2.00		
1613.00†	8.260	272.363	1611.57	29.72	1.23	-29.69	40°09'39.152"N	109°38'06.542"W	2.00		
1713.00†	10.260	272.363	1710.26	45.81	1.89	-45.77	40°09'39.159"N	109°38'06.750"W	2.00		
1813.00†	12.260	272.363	1808.33	65.33	2.69	-65.28	40°09'39.167"N	109°38'07.001"W	2.00		
1913.00†	14.260	272.363	1905.66	88.27	3.64	-88.19	40°09'39.176"N	109°38'07.296"W	2.00		
2013.00†	16.260	272.363	2002.13	114.59	4.73	-114.49	40°09'39.187"N	109°38'07.635"W	2.00		
2060.40	17.208	272.363	2047.52	128.24	5.29	-128.13	40°09'39.192"N	109°38'07.810"W	2.00		
2113.00†	17.208	272.363	2097.77	143.80	5.93	-143.68	40°09'39.199"N	109°38'08.011"W	0.00		
2213.00†	17.208	272.363	2193.29	173.38	7.15	-173.23	40°09'39.211"N	109°38'08.391"W	0.00		
2313.00†	17.208	272.363	2288.82	202.97	8.37	-202.79	40°09'39.223"N	109°38'08.772"W	0.00		
2413.00†	17.208	272.363	2384.34	232.55	9.59	-232.35	40°09'39.235"N	109°38'09.153"W	0.00		
2481.74†	17.208	272.363	2450.00	252.89	10.43	-252.67	40°09'39.243"N	109°38'09.414"W		BMSW	
2513.00†	17.208	272.363	2479.86	262.13	10.81	-261.91	40°09'39.247"N	109°38'09.533"W	0.00		
2613.00†	17.208	272.363	2575.39	291.72	12.03	-291.47	40°09'39.259"N	109°38'09.914"W	0.00		
2713.00†	17.208	272.363	2670.91	321.30	13.25	-321.03	40°09'39.271"N	109°38'10.295"W	0.00		
2813.00†	17.208	272.363	2766.43	350.89	14.47	-350.59	40°09'39.283"N	109°38'10.676"W	0.00		
2913.00†	17.208	272.363	2861.96	380.47	15.69	-380.15	40°09'39.295"N	109°38'11.056"W	0.00		
3013.00†	17.208	272.363	2957.48	410.05	16.91	-409.71	40°09'39.307"N	109°38'11.437"W	0.00		
3113.00†	17.208	272.363	3053.01	439.64	18.13	-439.26	40°09'39.319"N	109°38'11.818"W	0.00		
3121.37†	17.208	272.363	3061.00	442.11	18.23	-441.74	40°09'39.320"N	109°38'11.850"W		Green River Top	
3213.00†	17.208	272.363	3148.53	469.22	19.35	-468.82	40°09'39.331"N	109°38'12.198"W	0.00		
3313.00†	17.208	272.363	3244.05	498.81	20.57	-498.38	40°09'39.343"N	109°38'12.579"W	0.00		
3413.00†	17.208	272.363	3339.58	528.39	21.79	-527.94	40°09'39.355"N	109°38'12.960"W	0.00		
3513.00†	17.208	272.363	3435.10	557.98	23.01	-557.50	40°09'39.367"N	109°38'13.341"W	0.00		
3613.00†	17.208	272.363	3530.62	587.56	24.23	-587.06	40°09'39.379"N	109°38'13.721"W	0.00		
3713.00†	17.208	272.363	3626.15	617.14	25.45	-616.62	40°09'39.391"N	109°38'14.102"W	0.00		
3813.00†	17.208	272.363	3721.67	646.73	26.67	-646.18	40°09'39.403"N	109°38'14.483"W	0.00		



Planned Wellpath Report Three Rivers Fed 35-24-720 PWP Page 3 of 5



REFERENC	REFERENCE WELLPATH IDENTIFICATION							
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL)					
Area	Three Rivers	Well	Three Rivers Fed 35-24-720					
Field	UINTAH COUNTY	Wellbore	Three Rivers Fed 35-24-720 PWB					
Facility	Sec.35-T7S-R20E							

WELLPATH D.	ATA (86 stations) †= interp	olated/extrapola	ated station						
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3913.00†	17.208	272.363	3817.20	676.31	27.89	-675.74	40°09'39.416"N	109°38'14.863"W	0.00	
4013.00†	17.208	272.363	3912.72	705.90	29.11	-705.30	40°09'39.428"N	109°38'15.244"W	0.00	
4113.00†	17.208	272.363	4008.24	735.48	30.33	-734.85	40°09'39.440"N	109°38'15.625"W	0.00	ĺ
4213.00†	17.208	272.363	4103.77	765.06	31.55	-764.41	40°09'39.452"N	109°38'16.006"W	0.00	
4263.99	17.208	272.363	4152.48	780.15	32.17	-779.49	40°09'39.458"N	109°38'16.200"W	0.00	
4313.00†	16.228	272.363	4199.41	794.25	32.75	-793.57	40°09'39.464"N	109°38'16.381"W	2.00	
4413.00†	14.228	272.363	4295.90	820.51	33.83	-819.81	40°09'39.474"N	109°38'16.719"W	2.00	
4495.35†	12.581	272.363	4376.00	839.60	34.62	-838.89	40°09'39.482"N	109°38'16.965"W	2.00	Mahogany
4513.00†	12.228	272.363	4393.24	843.39	34.78	-842.68	40°09'39.484"N	109°38'17.014"W	2.00	
4613.00†	10.228	272.363	4491.32	862.86	35.58	-862.13	40°09'39.491"N	109°38'17.264"W	2.00	
4713.00†	8.228	272.363	4590.02	878.90	36.24	-878.15	40°09'39.498"N	109°38'17.471"W	2.00	
4813.00†	6.228	272.363	4689.22	891.48	36.76	-890.72	40°09'39.503"N	109°38'17.632"W	2.00	
4913.00†	4.228	272.363	4788.80	900.59	37.14	-899.82	40°09'39.507"N	109°38'17.750"W	2.00	
5013.00†	2.228	272.363	4888.64	906.22	37.37	-905.45	40°09'39.509"N	109°38'17.822"W	2.00	
5113.00†	0.228	272.363	4988.61	908.36	37.46	-907.59	40°09'39.510"N	109°38'17.850"W	2.00	
5124.39	0.000	272.363	5000.00 ¹	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	2.00	
5160.39†	0.000	272.363	5036.00	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	Garden Gulch
5213.00†	0.000	272.363	5088.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
5313.00*	0.000	272.363	5188.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
5315.39†	0.000	272.363	5191.00	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	Lower Green River
5413.00†	0.000	272.363	5288.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
5513.00†	0.000	272.363	5388.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
5613.00†	0.000	272.363	5488.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
5713.00†	0.000	272.363	5588.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
5813.00†	0.000	272.363	5688.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
5913.00†	0.000	272.363	5788.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6013.00†	0.000	272.363	5888.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6113.00†	0.000	272.363	5988.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6213.00†	0.000	272.363	6088.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6313.00†	0.000	272.363	6188.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6413.00†	0.000	272.363	6288.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6513.00†	0.000	272.363	6388.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6613.00†	0.000	272.363	6488.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6713.00†	0.000	272.363	6588.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6813.00†	0.000	272.363	6688.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
6913.00†	0.000	272.363	6788.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
7013.00†	0.000	272.363	6888.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
7055.39†	0.000	272.363	6931.00	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W		Wasatch
7113.00†	0.000	272.363	6988.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
7213.00†	0.000	272.363	7088.61	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	
7274.39	0.000	272.363	7150.00	908.39	37.46	-907.61	40°09'39.510"N	109°38'17.850"W	0.00	TD



Planned Wellpath Report Three Rivers Fed 35-24-720 PWP Page 4 of 5



DEFERENCE	EEDEN/CE WELL DENTELLE CHICAN									
REFERENCE WELLPATH IDENTIFICATION										
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL)							
Area	Three Rivers	Well	Three Rivers Fed 35-24-720							
Field	UINTAH COUNTY	Wellbore	Three Rivers Fed 35-24-720 PWB							
Facility	Sec.35-T7S-R20E	[

IOLE & CASING SECTIONS - Ref Wellbore: Three Rivers Fed 35-24-720 PWB Ref Wellpath: Three Rivers Fed 35-24-720 PWP									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
16in Conductor	13.00	120.00	107.00	13.00	120.00	0.00	0.00	0.00	0.00
12.25in Open Hole	120.00	1000.00	880.00	120.00	1000.00	0.00	0.00	0.00	0.00
8.625in Casing Surface	13.00	1000.00	987.00	13.00	1000.00	0.00	0.00	0.00	0.00
7.875in Open Hole	1000.00	7274.39	6274.39	1000.00	7150.00	0.00	0.00	37.46	-907.61
5.5in Casing Production	13.00	7274.39	7261.39	13.00	7150.00	0.00	0.00	37.46	-907.61

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) Three Rivers Fed 35-24-720 Target On Plat 660' FSL & 1980' FWL	5124.39	5000.00	37.46	-907.61	2160689.82	7232774.81	40°09'39.510"N	109°38'17.850"W	point

Page 5 of 5

API Well Number: 43047555540000

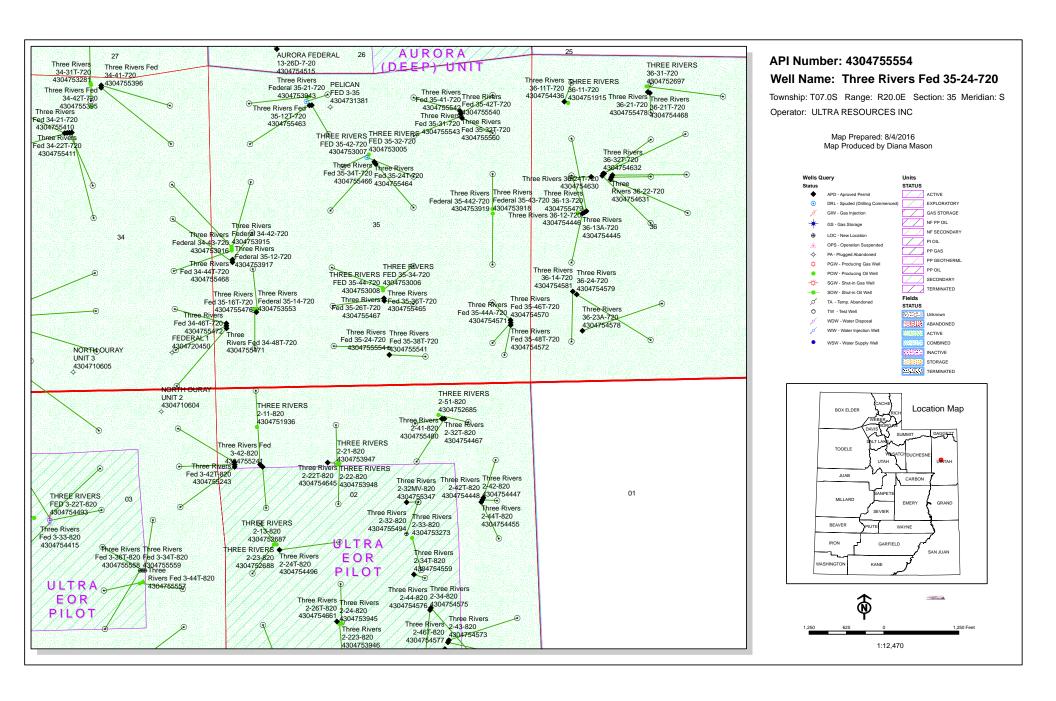


Planned Wellpath Report Three Rivers Fed 35-24-720 PWP Page 5 of 5



REFERENC	REFERENCE WELLPATH IDENTIFICATION								
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers Fed 35-24-720 (619' FSL & 2394' FEL)						
Area	Three Rivers	Well	Three Rivers Fed 35-24-720						
Field	UINTAH COUNTY	Wellbore	Three Rivers Fed 35-24-720 PWB						
Facility	Sec.35-T7S-R20E	[

WELLPATH COMMENTS				
MD	Inclination	Azimuth	TVD	Comment
[ft]	[°]	[°]	[ft]	
120.00	0.000	272.363	120.00	Base Gravel
2481.74	17.208	272.363	2450.00	BMSW
3121.37	17.208	272.363	3061.00	Green River Top
4495.35	12.581	272.363	4376.00	Mahogany
5160.39	0.000	272.363	5036.00	Garden Gulch
5315.39	0.000	272.363	5191.00	Lower Green River
7055.39	0.000	272.363	6931.00	Wasatch
7274.39	0.000	272.363	7150.00	TD



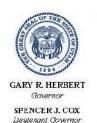
Stipulations:

4 - Federal Approval - dmason 15 - Directional - dmason

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/1/2016 API NO. ASSIGNED: 43047555540000 WELL NAME: Three Rivers Fed 35-24-720 **OPERATOR: ULTRA RESOURCES INC (N4045)** PHONE NUMBER: 307 367-5041 **CONTACT:** Jasmine Allison PROPOSED LOCATION: SWSE 35 070S 200E Permit Tech Review: **SURFACE:** 0619 FSL 2394 FEL **Engineering Review:** BOTTOM: 0660 FSL 1980 FWL Geology Review: **COUNTY: UINTAH LATITUDE: 40.16092** LONGITUDE: -109.63495 UTM SURF EASTINGS: 616248.00 NORTHINGS: 4446511.00 FIELD NAME: THREE RIVERS LEASE TYPE: 1 - Federal PROPOSED PRODUCING FORMATION(S): GREEN RIVER - LOWER **LEASE NUMBER: UTU88623** SURFACE OWNER: 1 - Federal **COALBED METHANE: NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING:** ✓ PLAT R649-2-3. Bond: FEDERAL - UTB000593 Unit: **Potash** R649-3-2. General Oil Shale 190-5 R649-3-3. Exception Oil Shale 190-3 Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 270-02 Water Permit: 43-10988 Effective Date: 11/9/2013 **RDCC Review:** Siting: 2 WELLS PER 40 ACRES Fee Surface Agreement Intent to Commingle R649-3-11. Directional Drill **Commingling Approved** Comments: Presite Completed

RECEIVED: August 25, 2016



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Three Rivers Fed 35-24-720

API Well Number: 43047555540000

Lease Number: UTU88623 Surface Owner: FEDERAL Approval Date: 8/25/2016

Issued to:

ULTRA RESOURCES INC, 116 Inverness Drive East, Suite #400, Englewood, CO 80112

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 270-02. The expected producing formation or pool is the GREEN RIVER - LOWER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Alexis Huefner at 801-538-5302

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil &

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas